



David Kirby

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Test Information

Description

Instructions

Multiple Attempts This test allows multiple attempts.

Force Completion This test can be saved and resumed later.

QUESTION 1

1 points

Saved

True or false? Negative unitary form is a type of feedback.

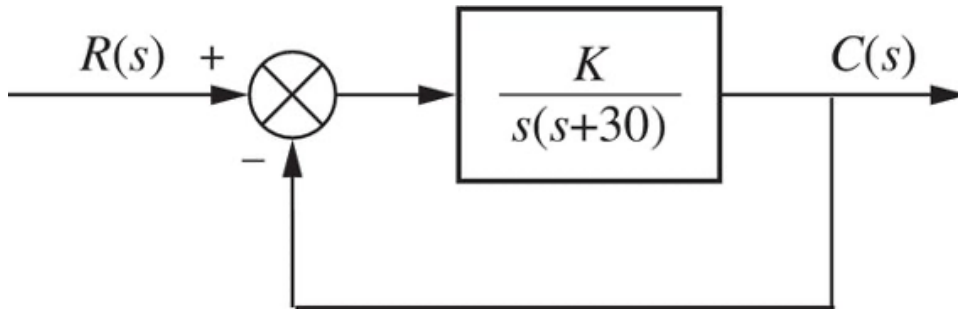
Question Completion Status:

QUESTION 2

1 points

Saved

Consider the plant $G(s) = \frac{K}{s(s+30)}$ under negative unity feedback with gain $K > 0$. Which of the following describes the characteristic equation of the closed-loop system, $\frac{C(s)}{R(s)}$?



- ☐ $\Delta(s) = s(s + 30)$
- ☐ $\Delta(s) = \frac{K}{s(s + 30)}$
- ☐ $\Delta(s) = Ks(s + 30)$
- ☒ $\Delta(s) = s^2 + 30s + K$

QUESTION 3**1 points****Saved**

True or false? In negative unitary feedback, the proportional gain K scales the error, which is the difference between the input and the output.

- ☒ True
- ☐ False

Click Save and Submit to save and submit. Click Save All Answers to save all answers.

Save All Answers

Save and Submit